

ABSTRACT

A tunable amplitude unbalance stripline combiner for RF signals in which the amplitude unbalance can be adjusted in order to minimize the amplitude unbalance.

5 The combiner has an upper printed circuit board mounted over a lower printed circuit board. The lower printed circuit board has a pair of printed circuit lines that are connected between an output port and a pair of input ports. The upper printed circuit board has a metallized area covering the top surface. Several non-metallized cavities are located in the metallized area above the circuit lines. The number of cavities can be
10 adjusted to change the amplitude unbalance.

15